Forest Park

Report Date: 4/12/2007

Reach ID: rFP*175 Survey date: 8/9/06 Length: 258 feet along Balch Canyon

EPA Rapid Assessment Scores

•	
Epifaunal	
Substrate/	
Available Cover:	7 /20
Pool Substrate	
Characterization:	8 /20
(low gradient)	
Pool Variability:	1 /20
(low gradient)	
Sediment	
Deposition:	6 /20
Channel Flow	
Status:	7 /20
Channel	
Alteration:	10 /20
Channel	
Sinuosity:	7 /20
(low gradient)	
Bank Stability	
Left Bank:	5 /10
Right Bank:	5 /10
Vegetative	
Protection	
Left Bank:	4 /10
Right Bank:	4 /10
Riparian Vegetation	
Zone Width	
Left Bank:	8 /10
Right Bank:	10 /10

Total Score: 82 /200 Overall Condition: Fair

Supplemental Information

Vegetative Stream Shading Left Bank: Right Bank: 90% Riparian Vegetative Buffer Width Left Bank: 15 m. Right Bank: 14 m. Bank Slope Left Bank: Steep Right Bank: Steep Large Woody Debris count Small (diameter 10 cm. to 30 cm.) Medium (diameter 30 cm. to 60 cm.) Large (diameter >60 cm.) Has LWD been placed?

Management Issues

Field Notes

endpoint-broad u-shaped valley- weedy area- creek covered in blackberry-tree plantings, no stream restoration here



Forest Park

Report Date: 4/12/2007

Reach ID: rFP*180 Survey date: 8/10/06 Length: 212 feet along Balch Canyon

EPA Rapid Assessment Scores

	000.0
Epifaunal	
Substrate/	
Available Cover:	11 /20
Pool Substrate	
Characterization:	8 /20
(low gradient)	
Pool Variability:	5 /20
(low gradient)	3 /20
Sediment	
Deposition:	6 /20
Channel Flow	0 720
Status:	3 /20
Channel	0 /20
Alteration:	9 /20
Channel	0 / 20
Sinuosity:	10 /20
(low gradient)	10720
Bank Stability	
Left Bank:	3 /10
Right Bank:	3 /10
Vegetative	• • • • • • • • • • • • • • • • • • • •
Protection	
Left Bank:	8 /10
Right Bank:	6 /10
Riparian Vegetation	
Zone Width	
Left Bank:	10 /10
Right Bank:	4 /10

Total Score: 86 /200 Overall Condition: Fair

Supplemental Information

Vegetative Stream Shading Left Bank: Right Bank: 75% Riparian Vegetative Buffer Width Left Bank: 13 m. Right Bank: 9 m. Bank Slope Left Bank: Moderate Right Bank: Moderate Large Woody Debris count Small (diameter 10 cm. to 30 cm.) Medium (diameter 30 cm. to 60 cm.) Large (diameter >60 cm.)

Management Issues

Field Notes

Has LWD been placed?

endpoint- broad valley-undercutting, some lwd-some older tree plantings



Forest Park

Report Date: 4/12/2007

Reach ID: rFP*182 Survey date: 8/10/06 Length: 124 feet along Balch Canyon

EPA Rapid Assessment Scores

Epifaunal	
Substrate/	
Available Cover:	13 /20
Pool Substrate	
Characterization:	5 /20
(low gradient)	
Pool Variability:	1 /20
(low gradient)	. ,_0
Sediment	
Deposition:	10 /20
Channel Flow	
Status:	2 /20
Channel	
Alteration:	3 /20
Channel	
Sinuosity:	5 /20
(low gradient)	
Bank Stability	
Left Bank:	6 /10
Right Bank:	3 /10
Vegetative	
Protection	
Left Bank:	2 /10
Right Bank:	4 /10
Riparian Vegetation	
Zone Width	
Left Bank:	1 /10
Right Bank:	4 /10
•	

Total Score: 59 /200 Overall Condition: Poor

Supplemental Information

Vegetative Stream Shading Left Bank: Right Bank: 65% Riparian Vegetative Buffer Width Left Bank: 3 m. Right Bank: 8 m. Bank Slope Left Bank: Steep Right Bank: Steep Large Woody Debris count Small (diameter 10 cm. to 30 cm.) Medium (diameter 30 cm. to 60 cm.) Large (diameter >60 cm.) Has LWD been placed?

Management Issues

Field Notes

endpoint-narrow constraint- no lwd- no fish spootted-



Forest Park

Report Date: 4/12/2007

Reach ID: rFP*185 Survey date: 8/10/06 Length: 117 feet along Balch Canyon

EPA Rapid Assessment Scores

Epifaunal Substrate/ Available Cover: 10 /20 Embeddedness: 16 /20 (high gradient) Velocity/Depth Regimes: 5 /20 (high gradient) Sediment Deposition: 14 /20 Channel Flow Status: 5 /20 Channel Alteration: 11 /20 Frequency of)
Available Cover: 10 /20 Embeddedness: 16 /20 (high gradient) Velocity/Depth Regimes: 5 /20 (high gradient) Sediment Deposition: 14 /20 Channel Flow Status: 5 /20 Channel Alteration: 11 /20 Frequency of)
Embeddedness: 16 /20 (high gradient) Velocity/Depth Regimes: 5 /20 (high gradient) Sediment Deposition: 14 /20 Channel Flow Status: 5 /20 Channel Alteration: 11 /20 Frequency of)
(high gradient) Velocity/Depth Regimes: 5 /20 (high gradient) Sediment Deposition: 14 /20 Channel Flow Status: 5 /20 Channel Alteration: 11 /20 Frequency of)
(high gradient) Velocity/Depth Regimes: 5 /20 (high gradient) Sediment Deposition: 14 /20 Channel Flow Status: 5 /20 Channel Alteration: 11 /20 Frequency of)
Velocity/Depth Regimes: 5 /20 (high gradient) Sediment Deposition: 14 /20 Channel Flow Status: 5 /20 Channel Alteration: 11 /20 Frequency of	_
Regimes: 5 /20 (high gradient) Sediment Deposition: 14 /20 Channel Flow Status: 5 /20 Channel Alteration: 11 /20 Frequency of	_
(high gradient) Sediment Deposition: 14 /20 Channel Flow Status: 5 /20 Channel Alteration: 11 /20 Frequency of	_
Sediment Deposition: 14 /20 Channel Flow Status: 5 /20 Channel Alteration: 11 /20 Frequency of)
Deposition: 14 /20 Channel Flow Status: 5 /20 Channel Alteration: 11 /20 Frequency of)
Channel Flow Status: 5 /20 Channel Alteration: 11 /20 Frequency of)
Status: 5 /20 Channel Alteration: 11 /20 Frequency of	_
Channel Alteration: 11 /20 Frequency of	
Alteration: 11 /20 Frequency of)
Frequency of	
)
D:(() D 1 (1) (a)	
Riffles or Bends: 11 /20)
(high gradient)	
Bank Stability	
Left Bank: 9 /10)
Right Bank: 6 /10)
Vegetative	
Protection	
Left Bank: 9 /10)
Right Bank: 1 /10)
Riparian Vegetation	
Zone Width	
Left Bank: 10 /10)
Right Bank: 1 /10	`

Total Score: 108 /200 Overall Condition: Fair

Supplemental Information

Vegetative Stream Shading Left Bank: Right Bank: 30% Riparian Vegetative Buffer Width Left Bank: 10 m. Right Bank: 1 m. Bank Slope Left Bank: Gentle Right Bank: Moderate Large Woody Debris count Small (diameter 10 cm. to 30 cm.) Medium (diameter 30 cm. to 60 cm.) Large (diameter >60 cm.) Has LWD been placed?

Management Issues

Field Notes

endpoint- no fish- broad valley, little constraint-



Macleay Park Report Date: 4/12/2007

Survey date: 8/3/06 Length: 410 feet along Balch Canyon Reach ID: rMAC*113

Epifaunal Substrate/ Available Cover: 12 /20 Embeddedness: 12 /20 (high gradient) Velocity/Depth Regimes: 9 /20 (high gradient) Sediment Deposition: 8 /20 Channel Flow Status: 3 /20 Channel Alteration: 7 /20 Frequency of Riffles or Bends: 15 /20 (high gradient) Bank Stability Left Bank: 0 /10 Right Bank: 0 /10 Vegetative Protection Left Bank: 7 /10 Right Bank: 8 /10 Riparian Vegetation Zone Width Left Bank: 1 /10 Right Bank: 1 /10 Right Bank: 1 /10 Right Bank: 1 /10	E	PA Rapid Assessme	ent Score
Available Cover: 12 /20 Embeddedness: 12 /20 (high gradient) Velocity/Depth Regimes: 9 /20 (high gradient) Sediment Deposition: 8 /20 Channel Flow Status: 3 /20 Channel Alteration: 7 /20 Frequency of Riffles or Bends: 15 /20 (high gradient) Bank Stability Left Bank: 0 /10 Right Bank: 0 /10 Vegetative Protection Left Bank: 7 /10 Right Bank: 8 /10 Riparian Vegetation Zone Width Left Bank: 1 /10		Epifaunal	
Embeddedness: (high gradient) Velocity/Depth Regimes: 9 /20 (high gradient) Sediment Deposition: 8 /20 Channel Flow Status: 3 /20 Channel Alteration: 7 /20 Frequency of Riffles or Bends: 15 /20 (high gradient) Bank Stability Left Bank: 0 /10 Right Bank: 0 /10 Vegetative Protection Left Bank: 7 /10 Right Bank: 8 /10 Riparian Vegetation Zone Width Left Bank: 1 /10		Substrate/	
(high gradient) Velocity/Depth Regimes: 9 /20 (high gradient) Sediment Deposition: 8 /20 Channel Flow Status: 3 /20 Channel Alteration: 7 /20 Frequency of Riffles or Bends: 15 /20 (high gradient) Bank Stability Left Bank: 0 /10 Right Bank: 0 /10 Vegetative Protection Left Bank: 7 /10 Right Bank: 8 /10 Riparian Vegetation Zone Width Left Bank: 1 /10		Available Cover:	12 /20
(high gradient) Velocity/Depth Regimes: 9 /20 (high gradient) Sediment Deposition: 8 /20 Channel Flow Status: 3 /20 Channel Alteration: 7 /20 Frequency of Riffles or Bends: 15 /20 (high gradient) Bank Stability Left Bank: 0 /10 Right Bank: 0 /10 Vegetative Protection Left Bank: 7 /10 Right Bank: 8 /10 Riparian Vegetation Zone Width Left Bank: 1 /10			
Velocity/Depth Regimes: 9 /20 (high gradient) Sediment Deposition: 8 /20 Channel Flow Status: 3 /20 Channel Alteration: 7 /20 Frequency of Riffles or Bends: 15 /20 (high gradient) Bank Stability Left Bank: 0 /10 Right Bank: 0 /10 Vegetative Protection Left Bank: 7 /10 Right Bank: 8 /10 Riparian Vegetation Zone Width Left Bank: 1 /10			12 /20
Regimes: 9 /20 (high gradient) Sediment Deposition: 8 /20 Channel Flow Status: 3 /20 Channel Alteration: 7 /20 Frequency of Riffles or Bends: 15 /20 (high gradient) Bank Stability Left Bank: 0 /10 Right Bank: 0 /10 Vegetative Protection Left Bank: 7 /10 Right Bank: 8 /10 Riparian Vegetation Zone Width Left Bank: 1 /10	L		
(high gradient) Sediment Deposition: 8 /20 Channel Flow Status: 3 /20 Channel Alteration: 7 /20 Frequency of Riffles or Bends: 15 /20 (high gradient) Bank Stability Left Bank: 0 /10 Right Bank: 0 /10 Vegetative Protection Left Bank: 7 /10 Right Bank: 8 /10 Riparian Vegetation Zone Width Left Bank: 1 /10		, ,	
Sediment Deposition: 8 /20 Channel Flow Status: 3 /20 Channel Alteration: 7 /20 Frequency of Riffles or Bends: 15 /20 (high gradient) Bank Stability Left Bank: 0 /10 Right Bank: 0 /10 Vegetative Protection Left Bank: 7 /10 Right Bank: 8 /10 Riparian Vegetation Zone Width Left Bank: 1 /10		•	9 /20
Deposition: 8 /20 Channel Flow Status: 3 /20 Channel Alteration: 7 /20 Frequency of Riffles or Bends: 15 /20 (high gradient) Bank Stability Left Bank: 0 /10 Right Bank: 0 /10 Vegetative Protection Left Bank: 7 /10 Right Bank: 8 /10 Riparian Vegetation Zone Width Left Bank: 1 /10		(high gradient)	
Channel Flow Status: 3 /20 Channel Alteration: 7 /20 Frequency of Riffles or Bends: 15 /20 (high gradient) Bank Stability Left Bank: 0 /10 Right Bank: 0 /10 Vegetative Protection Left Bank: 7 /10 Right Bank: 8 /10 Riparian Vegetation Zone Width Left Bank: 1 /10			
Status: 3 /20 Channel Alteration: 7 /20 Frequency of Riffles or Bends: 15 /20 (high gradient) Bank Stability Left Bank: 0 /10 Right Bank: 0 /10 Vegetative Protection Left Bank: 7 /10 Right Bank: 8 /10 Riparian Vegetation Zone Width Left Bank: 1 /10		Deposition:	8 /20
Channel Alteration: 7 /20 Frequency of Riffles or Bends: 15 /20 (high gradient) Bank Stability Left Bank: 0 /10 Right Bank: 0 /10 Vegetative Protection Left Bank: 7 /10 Right Bank: 8 /10 Riparian Vegetation Zone Width Left Bank: 1 /10		Channel Flow	
Alteration: 7 /20 Frequency of Riffles or Bends: 15 /20 (high gradient) Bank Stability Left Bank: 0 /10 Right Bank: 0 /10 Vegetative Protection Left Bank: 7 /10 Right Bank: 8 /10 Riparian Vegetation Zone Width Left Bank: 1 /10		Status:	3 /20
Frequency of Riffles or Bends: 15 /20 (high gradient) Bank Stability Left Bank: 0 /10 Right Bank: 0 /10 Vegetative Protection Left Bank: 7 /10 Right Bank: 8 /10 Riparian Vegetation Zone Width Left Bank: 1 /10		Channel	
Riffles or Bends: (high gradient) Bank Stability Left Bank: 0 /10 Right Bank: 0 /10 Vegetative Protection Left Bank: 7 /10 Right Bank: 8 /10 Riparian Vegetation Zone Width Left Bank: 1 /10		Alteration:	7 /20
(high gradient) Bank Stability Left Bank: 0 /10 Right Bank: 0 /10 Vegetative Protection Left Bank: 7 /10 Right Bank: 8 /10 Riparian Vegetation Zone Width Left Bank: 1 /10		Frequency of	
Bank Stability Left Bank: 0 /10 Right Bank: 0 /10 Vegetative Protection Left Bank: 7 /10 Right Bank: 8 /10 Riparian Vegetation Zone Width Left Bank: 1 /10		Riffles or Bends:	15 /20
Left Bank: 0 /10 Right Bank: 0 /10 Vegetative Protection Left Bank: 7 /10 Right Bank: 8 /10 Riparian Vegetation Zone Width Left Bank: 1 /10		(high gradient)	
Right Bank: 0 /10 Vegetative Protection Left Bank: 7 /10 Right Bank: 8 /10 Riparian Vegetation Zone Width Left Bank: 1 /10		Bank Stability	
Vegetative Protection Left Bank: 7 /10 Right Bank: 8 /10 Riparian Vegetation Zone Width Left Bank: 1 /10		Left Bank:	0 /10
Protection Left Bank: 7 /10 Right Bank: 8 /10 Riparian Vegetation Zone Width Left Bank: 1 /10		Right Bank:	0 /10
Left Bank: 7 /10 Right Bank: 8 /10 Riparian Vegetation Zone Width Left Bank: 1 /10	ſ	Vegetative	
Right Bank: 8 /10 Riparian Vegetation Zone Width Left Bank: 1 /10		Protection	
Riparian Vegetation Zone Width Left Bank: 1 /10		Left Bank:	7 /10
Zone Width Left Bank: 1 /10		Right Bank:	8 /10
Left Bank: 1 /10		Riparian Vegetation	
D: 14 D		Zone Width	
Right Bank: 10 /10		Left Bank:	1 /10
		Right Bank:	10 /10

Total Score: 92 /200 **Overall Condition:** Fair

Supplemental Information

Vegetative Stream Shading Left Bank: Right Bank: 80% Riparian Vegetative Buffer Width Left Bank: 2 m. Right Bank: 15 m.

Bank Slope

Left Bank: not recorded Right Bank: not recorded

Large Woody Debris count

Small (diameter 10 cm. to 30 cm.)

not recorded

Medium (diameter 30 cm. to 60 cm.)

not recorded

Large (diameter >60 cm.)

not recorded

Has LWD been placed?

not recorded

Management Issues

Erosion

Field Notes

endpoint- bridge- narrow constraint valley- steep bank angle- very little woody debris -



Macleay Park

Report Date: 4/12/2007

Supplemental Information

80%

12 m.

Vegetative Stream Shading

Riparian Vegetative Buffer Width

Left Bank: Right Bank:

Left Bank:

Reach ID: rMAC*123 Survey date: 8/7/06 Length: 312 feet along Balch Canyon

EPA Rapid Assessment Scores

Epifaunal	
•	
Substrate/	
Available Cover:	14 /20
Embeddedness:	12 /20
(high gradient)	
Velocity/Depth	
Regimes:	8 /20
(high gradient)	
Sediment	
Deposition:	13 /20
Channel Flow	
Status:	8 /20
Channel	
Alteration:	7 /20
Frequency of	
Riffles or Bends:	15 /20
(high gradient)	
Bank Stability	
Left Bank:	5 /10
Right Bank:	4 /10
Vegetative	
Protection	
Left Bank:	8 /10
Right Bank:	6 /10
Riparian Vegetation	
Zone Width	
Left Bank:	10 /10
Right Bank:	2 /10

Total Score:

Overall Condition: Fair 112 /200

Right Bank: 6 m. Bank Slope Left Bank: Steep Right Bank: Steep Large Woody Debris count Small (diameter 10 cm. to 30 cm.) 4 Medium (diameter 30 cm. to 60 cm.) 2 Large (diameter >60 cm.) 2 Has LWD been placed? not recorded

Management Issues
Erosion



Macleay Park

Report Date: 4/12/2007

Reach ID: rMAC*124 Survey date: 8/7/06 Length: 504 feet along Balch Canyon

EPA Rapid Assessment Scores

E	PA Rapid Assessme	ent Score
	Epifaunal	
	Substrate/	
	Available Cover:	16 /20
	Cook and do do a sec	10 100
	Embeddedness: (high gradient)	13 /20
	Velocity/Depth	
	Regimes:	14 /20
	(high gradient)	
	Sediment	
	Deposition:	12 /20
	Channel Flow	
	Status:	8 /20
	Channel	
	Alteration:	9 /20
	Frequency of	
	Riffles or Bends:	14 /20
	(high gradient)	
	Bank Stability	
	Left Bank:	5 /10
	Right Bank:	2 /10
	Vegetative	
	Protection	
	Left Bank:	8 /10
	Right Bank:	3 /10
	Riparian Vegetation	
	Zone Width	
	Left Bank:	10 /10
	Right Bank:	2 /10

Total Score: 116 /200 Overall Condition: Fair

Supplemental Information

Vegetative Stream Shading Left Bank: Right Bank: 75% Riparian Vegetative Buffer Width Left Bank: 10 m. Right Bank: 6 m. Bank Slope Left Bank: Steep Right Bank: Steep Large Woody Debris count Small (diameter 10 cm. to 30 cm.) Medium (diameter 30 cm. to 60 cm.) Large (diameter >60 cm.) Has LWD been placed?

Management Issues

Culvert (on surveyed stream) Erosion

Field Notes

endpoint- plunge pools mostly - extreme erosion- lwd restoration - 25cm trout in pools-spillway and culvert here -substantial lwd



Macleay Park

Report Date: 4/12/2007

Reach ID: rMAC*126 Survey date: 8/7/06 Length: 528 feet along Balch Canyon

EPA Rapid Assessment Scores

Epifaunal	
Substrate/	
Available Cover:	13 /20
5 1 11 1	
Embeddedness:	14 /20
(high gradient)	
Velocity/Depth	
Regimes:	9 /20
(high gradient)	
Sediment	
Deposition:	14 /20
Channel Flow	
Status:	8 /20
Channel	
Alteration:	7 /20
Frequency of	
Riffles or Bends:	14 /20
(high gradient)	
Bank Stability	
Left Bank:	5 /10
Right Bank:	2 /10
Vegetative	
Protection	
Left Bank:	7 /10
Right Bank:	4 /10
Riparian Vegetation	
Zone Width	
Left Bank:	10 /10

Total Score: 109 /200 Overall Condition: Fair

Supplemental Information

Vegetative Stream Shading Left Bank: Right Bank: 85% Riparian Vegetative Buffer Width Left Bank: 9 m. Right Bank: 5 m. Bank Slope Left Bank: Steep Right Bank: Steep Large Woody Debris count Small (diameter 10 cm. to 30 cm.) Medium (diameter 30 cm. to 60 cm.) Large (diameter >60 cm.) Has LWD been placed?

Management Issues

Culvert (on surveyed stream)

Field Notes

endpoint-restoration plantings- exposed roots in stream-

not recorded



Macleay Park

Report Date: 4/12/2007

Reach ID: rMAC*128 Survey date: 8/7/06 Length: 819 feet along Balch Canyon

EPA Rapid Assessment Scores

Epifaunal Substrate/ Available Cover:	11 /20
Available Cover:	11 /20
	11 /20
Embeddedness:	12 /20
(high gradient)	
Velocity/Depth	
Regimes:	9 /20
(high gradient)	
Sediment	
Deposition:	13 /20
Channel Flow	
Status:	7 /20
Channel	
Alteration:	9 /20
Frequency of	
Riffles or Bends:	14 /20
(high gradient)	
Bank Stability	
Left Bank:	7 /10
Right Bank:	5 /10
Vegetative	
Protection	
Left Bank:	4 /10
Right Bank:	8 /10
Riparian Vegetation	
Zone Width	
Left Bank:	2 /10
Right Bank:	10 /10

Total Score: 111 /200 Overall Condition: Fair

Supplemental Information

Vegetative Stream Shading Left Bank: Right Bank: 70% Riparian Vegetative Buffer Width Left Bank: 6 m. Right Bank: 12 m. Bank Slope Left Bank: Steep Right Bank: Steep Large Woody Debris count Small (diameter 10 cm. to 30 cm.) Medium (diameter 30 cm. to 60 cm.) Large (diameter >60 cm.) Has LWD been placed? not recorded

Management Issues

Hardscape

Field Notes

endpoint- revegetation restoration -



Macleay Park

Report Date: 4/12/2007

Reach ID: rMAC*130 Survey date: 8/7/06 Length: 371 feet along Balch Canyon

EPA Rapid Assessment Scores

Epifaunal	
Substrate/	
Available Cover:	14 /20
Embeddedness:	12 /20
(high gradient)	
Velocity/Depth	
Regimes:	9 /20
(high gradient)	
Sediment	
Deposition:	11 /20
Channel Flow	
Status:	7 /20
Channel	
Alteration:	11 /20
Frequency of	
Riffles or Bends:	11 /20
(high gradient)	
Bank Stability	
Left Bank:	4 /10
Right Bank:	6 /10
Vegetative	
Protection	
Left Bank:	2 /10
Right Bank:	4 /10
Riparian Vegetation	
Zone Width	
Left Bank:	3 /10
Right Bank:	10 /10

Total Score: 104 /200 Overall Condition: Fair

Supplemental Information

Vegetative Stream Shading Left Bank: Right Bank: 80% Riparian Vegetative Buffer Width Left Bank: 5 m. Right Bank: 12 m. Bank Slope Left Bank: Steep Right Bank: Steep Large Woody Debris count Small (diameter 10 cm. to 30 cm.) Medium (diameter 30 cm. to 60 cm.) Large (diameter >60 cm.) Has LWD been placed?

Management Issues

Field Notes

endpoint- restoration veg work- trout spotted - undercut banks - plunge

not recorded



Macleay Park

Report Date: 4/12/2007

Reach ID: rMAC*146 Survey date: 8/8/06 Length: 470 feet along Balch Canyon

EPA Rapid Assessment Scores

Epifaunal	
Substrate/	
Available Cover:	13 /20
Embeddedness:	16 /20
(high gradient)	
Velocity/Depth	
Regimes:	14 /20
(high gradient)	
Sediment	
Deposition:	12 /20
Channel Flow	
Status:	8 /20
Channel	
Alteration:	7 /20
Frequency of	
Riffles or Bends:	11 /20
(high gradient)	
Bank Stability	
Left Bank:	5 /10
Right Bank:	6 /10
Vegetative	
Protection	
Left Bank:	4 /10
Right Bank:	5 /10
Riparian Vegetation	
Zone Width	
Left Bank:	2 /10
Right Bank:	10 /10

Total Score: 113 /200 Overall Condition: Fair

Supplemental Information

Vegetative Stream Shading Left Bank: Right Bank: 75% Riparian Vegetative Buffer Width Left Bank: 3 m. Right Bank: 12 m. Bank Slope Left Bank: Steep Right Bank: Steep Large Woody Debris count Small (diameter 10 cm. to 30 cm.) Medium (diameter 30 cm. to 60 cm.) Large (diameter >60 cm.) 6 Has LWD been placed? yes

Management Issues

Field Notes

endpoint- plunge pool with pour-over rock



Macleay Park

Report Date: 4/12/2007

Reach ID: rMAC*150 Survey date: 8/8/06 Length: 435 feet along Balch Canyon

EPA Rapid Assessment Scores

Total Score:	114 /200
Right Bank:	10 /10
Left Bank:	2 /10
Zone Width	
Riparian Vegetation	
Right Bank:	4 /10
Left Bank:	5 /10
Protection	
Vegetative	
Right Bank:	5 /10
Left Bank:	4 /10
Bank Stability	
(high gradient)	
Riffles or Bends:	12 /20
Frequency of	
Alteration:	10 /20
Channel	0.20
Status:	8 /20
Channel Flow	12,20
Deposition:	12 /20
Sediment	
(high gradient)	11,20
Regimes:	14 /20
Velocity/Depth	
(high gradient)	15 /20
Embeddedness:	15 /20
Available Cover:	13 /20
Substrate/	
Epifaunal	

Overall Condition: Fair

Vegetative Stream Shading Left Bank: 65% Right Bank: 75% Riparian Vegetative Buffer Width

Supplemental Information

Left Bank: 3 m. Right Bank: 10 m.

Bank Slope

Left Bank: Steep Right Bank: Steep

Large Woody Debris count

Small (diameter 10 cm. to 30 cm.)

Medium (diameter 30 cm. to 60 cm.)

Large (diameter >60 cm.)

Has LWD been placed?

yes

8

Management Issues

Erosion

Field Notes

endpoint- pool



Macleay Park

Report Date: 4/12/2007

Reach ID: rMAC*160 Survey date: 8/9/06 Length: 561 feet along Balch Canyon

EPA Rapid Assessment Scores

.i A Napia Assessine	
Epifaunal	
Substrate/	
Available Cover:	15 /20
Embeddedness:	13 /20
(high gradient)	
Velocity/Depth	
Regimes:	14 /20
(high gradient)	
Sediment	
Deposition:	12 /20
Channel Flow	
Status:	9 /20
Channel	
Alteration:	12 /20
Frequency of	
Riffles or Bends:	15 /20
(high gradient)	
Bank Stability	
Left Bank:	5 /10
Right Bank:	6 /10
Vegetative	
Protection	
Left Bank:	5 /10
Right Bank:	7 /10
Riparian Vegetation	
Zone Width	
Left Bank:	2 /10
Right Bank:	10 /10

Total Score: 125 /200 Overall Condition: Good

Supplemental Information

Vegetative Stream Shading Left Bank: Right Bank: 85% Riparian Vegetative Buffer Width Left Bank: 3 m. Right Bank: 10 m. Bank Slope Left Bank: Steep Right Bank: Steep Large Woody Debris count Small (diameter 10 cm. to 30 cm.) Medium (diameter 30 cm. to 60 cm.) Large (diameter >60 cm.)

Management Issues

Erosion Stream Bank Erosion

Field Notes

Has LWD been placed?

endpoint @ pool- saw 20+ cm trout in various pools



Macleay Park

Report Date: 4/12/2007

Reach ID: rMAC*164 Survey date: 8/9/06 Length: 262 feet along Balch Canyon

EPA Rapid Assessment Scores

Epifaunal	
Substrate/	
Available Cover:	13 /20
Embeddedness:	13 /20
(high gradient)	
Velocity/Depth	
Regimes:	14 /20
(high gradient)	
Sediment	
Deposition:	14 /20
Channel Flow	
Status:	9 /20
Channel	
Alteration:	12 /20
Frequency of	
Riffles or Bends:	13 /20
(high gradient)	
Bank Stability	
Left Bank:	6 /10
Right Bank:	5 /10
Vegetative	
Protection	
Left Bank:	5 /10
Right Bank:	4 /10
Riparian Vegetation	
Zone Width	
Left Bank:	2 /10
Right Bank:	10 /10

Total Score: 120 /200 Overall Condition: Fair

Supplemental Information

Vegetative Stream Shading Left Bank: Right Bank: 75% Riparian Vegetative Buffer Width Left Bank: 2 m. Right Bank: 10 m. Bank Slope Left Bank: Steep Right Bank: Steep Large Woody Debris count Small (diameter 10 cm. to 30 cm.) Medium (diameter 30 cm. to 60 cm.) Large (diameter >60 cm.) 5

Management Issues

Field Notes

Has LWD been placed?

endpoint @ pool-fish present - narrow constraint



Macleay Park

Report Date: 4/12/2007

Reach ID: rMAC*168 Survey date: 8/9/06 Length: 239 feet along Balch Canyon

EPA Rapid Assessment Scores

.i A Napia Assessine	00010
Epifaunal	
Substrate/	
Available Cover:	14 /20
Embeddedness:	15 /20
(high gradient)	
Velocity/Depth	
Regimes:	14 /20
(high gradient)	
Sediment	
Deposition:	10 /20
Channel Flow	
Status:	9 /20
Channel	
Alteration:	13 /20
Frequency of	
Riffles or Bends:	14 /20
(high gradient)	
Bank Stability	
Left Bank:	4 /10
Right Bank:	6 /10
Vegetative	
Protection	
Left Bank:	4 /10
Right Bank:	6 /10
Riparian Vegetation	
Zone Width	
Left Bank:	3 /10
Right Bank:	10 /10

Total Score: 122 /200 Overall Condition: Good

Supplemental Information

Vegetative Stream Shading Left Bank: Right Bank: 90% Riparian Vegetative Buffer Width Left Bank: 4 m. Right Bank: 10 m. Bank Slope Left Bank: Steep Right Bank: Steep Large Woody Debris count Small (diameter 10 cm. to 30 cm.) Medium (diameter 30 cm. to 60 cm.) Large (diameter >60 cm.)

yes

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Management Issues

Field Notes

Has LWD been placed?

endpoint- deep pool with trout in it-rock outcrops on rt bank



Macleay Park

Report Date: 4/12/2007

Reach ID: rMAC*172 Survey date: 8/9/06 Length: 326 feet along Balch Canyon

EPA Rapid Assessment Scores

Epifaunal	
Substrate/	
Available Cover:	15 /20
Available Gover.	13 /20
Embeddedness:	12 /20
(high gradient)	,
Velocity/Depth	
Regimes:	14 /20
(high gradient)	
Sediment	
Deposition:	12 /20
Channel Flow	
Status:	8 /20
Channel	
Alteration:	10 /20
Frequency of	
Riffles or Bends:	15 /20
(high gradient)	
Bank Stability	
Left Bank:	3 /10
Right Bank:	6 /10
Vegetative	
Protection	
Left Bank:	3 /10
Right Bank:	6 /10
Riparian Vegetation	
Zone Width	
Left Bank:	2 /10
Right Bank:	10 /10

Total Score: 116 /200 Overall Condition: Fair

Supplemental Information

Vegetative Stream Shading Left Bank: Right Bank: 80% Riparian Vegetative Buffer Width Left Bank: 2 m. Right Bank: 10 m. Bank Slope Left Bank: Steep Right Bank: Steep Large Woody Debris count Small (diameter 10 cm. to 30 cm.) Medium (diameter 30 cm. to 60 cm.) Large (diameter >60 cm.)

Management Issues

Field Notes

Has LWD been placed?

endpoint- audobon society's gate just upstream- fishh, rock outcrop, narrow constraint

